

### ABSTRACT

A method of interventional surgery is described. The method may include inserting an actuator within a body of a vascularized organism and positioning the actuator adjacent a target region within a vessel of the body. The actuator is operated to cause a needle thereof to move in a substantially perpendicular direction relative to a wall of the vessel to produce an opening therein. A therapeutic or diagnostic agent may be delivered by the needle to the target region via the opening in the vessel wall.

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